

**Abstract**

In a laser radiation source, preferably for processing material, as well as to an arrangement for processing material with the laser radiation source and to the operation thereof, for achieving a high power density and energy, the laser radiation source comprises a plurality of diode-pumped fiber lasers whose outputs are arranged in a bundle. The laser radiation emerging from the outputs of the fiber lasers is merged and bundled with an optical unit such that the laser radiation is incident onto a processing surface at a processing spot .

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